



## DANPOL<sup>®</sup> PES-915

### DESCRIPTION

DANPOL<sup>®</sup> PES-915 is a hotmelt copolyester adhesive in form of granules. This product is usually processed using hot melt adhesive application systems. The adhesive shows an excellent adhesion to various substrates, including many textile composites or nonwovens, at a low temperature of 100 – 110 °C. When used as a textile adhesive, it is resistant to washing and cleaning at temperatures up to approx. 50 °C.

### PRODUCT CHARACTERISTIC

	Values	Method
Form	irregular granules	
Melting point	100 – 110 °C	R&B
Melt viscosity at 160 °C at 180 °C at 200 °C	220.000 mPa.s 90.000 mPa.s 37.000 mPa.s	Brookfield Thermosel
MFI (Melt Flow Index) at 120 °C at 130 °C at 140 °C	5,5 g/10 min 13,5 g/10 min 21 g/10 min	DIN 53735
Tensile strenght	200 kg/cm <sup>2</sup>	
Elongation at break	540 %	ASTM D 638M
Glas transition temperature	7,8 °C	DSC
Specific weight at 20 °C	1,28	
Solubility	While DANPOL PES-915 can be dissolved to a limited extent in warm chlorinated solvents such as methylene chloride, it is insoluble in most organic solvents.	

### APPLICATION

When processing DANPOL<sup>®</sup> PES-915 using conventional hot melt systems, the temperature depends on the system. Ideally, the processing temperature is between 160-180 °C. Generally, storage at too high temperatures leads to thermal decomposition, especially when exposed to air. For this reason, the temperature settings of the application system should be lowered if the machine is stopped for a long period of time and the use of a pre-melter is recommended.

### PROCESSING

DANPOL<sup>®</sup> PES-915 can be easily processed on classic hot melt processing systems or using extrusion coating systems. A processing, where the granules are pre-plasticized by an extruder, is always optimal.



## STORAGE

If stored properly and dry at temperatures of 5 - 25 °C in the original packaging, the shelf life of this product is at least 6 months. Keep away from moisture.

## PRODUCT SAFETY

DANPOL® PES-915 is free of toxic ingredients, but should be handled according to the standards described in the safety data sheet.


## PACKAGING


500 kg pallets with 25 kg bags. The product can also be delivered in 500 kg bigbags.



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